In the Claims:

This listing of claims will replace all prior versions and listings of claims in this application.

1 (Currently amended).   A separating column, ~~particularly~~ for a miniaturized gas chromatograph, having a channel (2) for a fluid stream having molecules to be analyzed (analyte molecules), the channel (2) having opposing curves (3, 4) having turning points (7, 8) where the flow direction of the fluid stream flowing through the channel inflects to an opposite curvature, characterized in that the ~~mean~~ diameter of the channel (2) is greater than the path which an analyte molecule covers through diffusion on its way between two sequential turning points (7, 7a; 8, 8a) located at the beginning of sequential curves that each have the same curvature.

2 (Currently amended).   The separating column according to Claim 1, characterized in that the ~~mean~~ diameter of the channel (2) is at least ten times greater than the path which an analyte molecule covers through diffusion on its way between two sequential turning points (7, 7a; 8, 8a) located at the beginning of sequential curves that each have the same curvature.

3 (Currently amended).   The separating column according to claim 1, characterized in that the number of the turning points (7, 7a) that inflect the channel to a first curvature is equal to the number of the turning points (8, 8a) that inflect the channel to a second curvature which is an opposite of the first curvature.

4 (Previously presented).   The separating column according to claim 1, characterized in that the separating column (1) has at least one loop (13) on whose legs (22, 23) the curves (3, 4) are provided.

5 (Previously presented).   The separating column according to claim 1, characterized in that the curves (3, 4) follow one another directly.

6 (Canceled).

7 (Currently amended). The separating column according to claim[[6]] 19, characterized in that the curves (3) on the legs (22, 23) are diametrically opposite one another, so that the curves (3) lie on a shared line (24) perpendicular to an axis (9) drawn through the leg (22) in the longitudinal direction.

8 (Currently amended). The separating column according to claim[[6]] 19, characterized in that the curves (3) on the leg (22) each lie diametrically opposite the curves (4) on the neighboring leg (23).

9 (Previously presented). The separating column according to claim 1, having legs (22, 23) that are connected by linear sections (12, 19, 17, 20).

10 (Currently amended). The separating column according to claim[[6]] 19, having legs (22, 23) that are connected to one another by curves (15, 18, 16, 26, 27, 28).

11 (Currently amended). A micro-chromatograph, particularly a gas micro-chromatograph, characterized in that the micro-chromatograph has at least one separating column having a channel (2) for a fluid stream having molecules to be analyzed (analyte molecules), the channel (2) having opposing curves (3, 4) having turning points (7, 8)) where the flow direction of the fluid stream flowing through the channel inflects to an opposite curvature, characterized in that the mean diameter of the channel (2) is greater than the path which an analyte molecule covers through diffusion on its way between two sequential turning points (7, 7a; 8, 8a) located at the beginning of sequential curves that each have the same curvature.

12 (Previously presented). The micro-chromatograph according to Claim 11, characterized in that the micro-chromatograph has multiple separating columns (1) on a shared semiconductor chip.

13 (Original). The micro-chromatograph according to Claim 12, characterized in that the separating columns (1) are each provided with stationary phases which have different chemical and/or physical properties.

14 (Previously presented). The micro-chromatograph according to Claim 12, characterized in that the separating columns (1) on the chip are connected to one another in series and/or in parallel.

15 (Previously presented). The separating column according to Claim 5, characterized in that the legs (22, 23) run essentially parallel.

16 (Previously presented). The separating column according to Claim 15, characterized in that the curves (3) on the legs (22, 23) are diametrically opposite one another, so that the curves (3) lie on a shared line (24) perpendicular to an axis (9) drawn through the leg (22) in the longitudinal direction.

17 (Previously presented). The separating column according to Claim 15, characterized in that the curves (3) on the leg (22) each lie diametrically opposite the curves (4) on the neighboring leg (23).

18 (Previously presented). The micro-chromatograph, according to Claim 12, wherein said semiconductor chip is a silicon chip.

19 (New). A separating column, ~~particularly~~ for a miniaturized gas chromatograph, having a channel (2) for a fluid stream having molecules to be analyzed (analyte molecules), the channel (2) having opposing curves (3, 4) having turning points (7, 8) where the flow direction of the fluid stream flowing through the channel inflects to an opposite curvature, characterized in that the ~~mean~~ diameter of the channel (2) is greater than the path which an analyte molecule covers through

diffusion on its way between two sequential turning points (7, 7a; 8, 8a) located at the beginning of sequential curves that each have the same curvature;

wherein the separating column (1) has at least one loop (13) on whose legs (22, 23) the curves (3, 4) are provided;

wherein the legs (22, 23) run essentially parallel.

20 (New). The separating column according to claim 19, wherein the diameter of the channel (2) is at least ten times greater than the path which an analyte molecule covers through diffusion on its way between two sequential turning points (7, 7a; 8, 8a) located at the beginning of sequential curves that each have the same curvature.